

$^{12}\text{C}(\text{d},^3\text{He}) \quad \textbf{1968Hi01}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1968Ga13: $^{12}\text{C}(\text{d},^3\text{He})$ E=28 MeV, measured $\sigma(\theta)$. DWBA analysis for comparison of ($\text{d},^3\text{He}$) cross sections, S.

1968Hi01: $^{12}\text{C}(\text{d},^3\text{He})$ E=52 MeV, measured $\sigma(E(^3\text{He}),\theta)$. ^{11}B deduced levels, J, π , S.

1974As04: $^{12}\text{C}(\text{d},^3\text{He})$ E=80 MeV, measured $\sigma(E(^3\text{He}),\theta)$. Deduced optical model parameters. ^{11}B deduced sign of β .

1975Ma41: $^{12}\text{C}(\text{d},^3\text{He})$ E=52 MeV, measured $\sigma(E(^3\text{He}),\theta)$. ^{11}B deduced levels, spectroscopic factors.

1977Ch01: $^{12}\text{C}(\text{d},^3\text{He})$ E=80 MeV, analyzed relative S. Deduced normalization constant. J-dependent sum rule analysis.

1978Co13: $^{12}\text{C}(\text{pol. d},^3\text{He})$ E=29 MeV, measured $\sigma(\theta)$, Ay(θ). DWBA calculations.

1981Ma14: $^{12}\text{C}(\text{pol. d},^3\text{He})$ E=52 MeV, measured iT₁₁(E(^3He), θ). DWBA analysis.

 ^{11}B Levels

E(level)	J $^\pi$	L	C ² S (1968Hi01)	Comments
0	3/2 $^-$	1	2.98	E(level): J $^\pi$: from (1968Hi01).
2.12×10 ³	1/2 $^-$	1	0.78	E(level): J $^\pi$: from (1968Hi01).
4.45×10 ³	5/2 $^-$			E(level): J $^\pi$: from (1968Hi01).
5.02×10 ³	3/2 $^-$	1	0.31	E(level): J $^\pi$: from (1968Hi01).
6.74×10 ³				E(level): Unresolved.
6.79×10 ³				E(level): from (1968Hi01).
7.29×10 ³	(5/2)			E(level): Unresolved.
7.98×10 ³				E(level): from (1968Hi01).
				E(level): from (1975Aj01).